

1. An orthopedic splint comprising:
  - at least one outer envelope having an inner face and an outer face, said inner face having a textured surface, and said outer envelope containing a polyol, wherein the outer envelope is substantially impermeable to water and to said polyol; and
  - at least one inner envelope containing isocyanate, said inner envelope being adapted to be ruptured, wherein rupturing the inner envelope allows the polyol and isocyanate to be mixed to form a polyurethane foam, said polyurethane foam being adapted to harden and adhere to the textured surface of the inner face within a curing time.
2. The orthopedic splint of claim 1, wherein the inner envelope is securely disposed at a fixed location to the outer envelope.
3. The orthopedic splint of claim 1, wherein the curing time is less than about 12 minutes.
4. The orthopedic splint of claim 3, wherein the curing time is about 10 minutes.
5. The orthopedic splint of claim 1, wherein the orthopedic splint comprises two outer envelopes and at least one inner envelope.
6. The orthopedic splint of claim 1, wherein the orthopedic splint comprises three outer envelopes and at least one inner envelope.
7. The orthopedic splint of claim 1, wherein the isocyanate is encapsulated by an encapsulating agent.

8. The orthopedic splint of claim 8, wherein the encapsulating agent is paraffin.

9. The orthopedic splint of claim 1, wherein the inner and outer envelopes  
comprise a high density polyethylene.

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10. The orthopedic splint of claim 9, wherein the high density polyethylene is  
between about 2 and 4 mils thick.

11. The orthopedic splint of claim 1, wherein the inner envelope comprises  
10 paraffin.

12. The orthopedic splint of claim 1, wherein the outer envelope is shaped and  
configured to conform to a specific body part.

15 13. The orthopedic splint of claim 1, wherein said polyurethane foam has a  
density of between about 8 and about 12 pounds per cubic foot.

14. The orthopedic splint of claim 1, wherein said polyurethane foam has a  
density of about 10 pounds per cubic foot.

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15. The orthopedic splint of claim 1, wherein the inner and outer envelopes  
comprise a high density polyethylene having a thickness between about 2 and 4 mils  
thick.

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